

DEVICE FOR DETECTING A CRACK ON A TURBINE BLADE OF AN AIRCRAFT ENGINE

ABSTRACT OF THE DISCLOSURE

An apparatus for inspecting a turbine blade of an aircraft engine may include a shaft having a proximate end and a distal end, an attachment device coupled to the distal end of the shaft and capable of being attached to a strut of the aircraft engine and an engagement device, coupled to the attachment device, capable of moving away from the attachment device and attaching to a trailing edge of the turbine blade. The apparatus may also include a probe moveably coupled to the engagement device and capable of moving along a leading edge of the turbine blade to detect a surface anomaly of the turbine blade and a control device for controlling the movement of the probe along the leading edge of the turbine engine in response to user manipulation.